

Title (en)

Y/C SEPARATOR AND Y/C SEPARATING METHOD

Title (de)

TRENNSTUFE FUER Y/C SIGNALE UND SEIN VERFAHREN

Title (fr)

PROCEDE ET CIRCUIT DE SEPARATION DE SIGNAUX Y-C

Publication

**EP 1355501 A1 20031022 (EN)**

Application

**EP 02716358 A 20020124**

Priority

- JP 0200503 W 20020124
- JP 2001016284 A 20010124

Abstract (en)

A Y/C separator improving characteristics of dot crawl elimination and cross-color interference elimination even at a sampling frequency unequal to an integer multiple of a color subcarrier frequency of an NTSC television signal. A received composite color television signal is quantized by a clock signal with a frequency synchronized to the horizontal sync signal of an input signal. Chrominance component values are extracted in various directions of a target sample by using neighboring samples of the target sample. The chrominance component is obtained by selecting and outputting the extracted chrominance component values in accordance with correlation values of the corresponding samples from which the color component is removed. The calculation of the chrominance component extraction value is carried out by detecting the phase rotation angle of the color subcarrier signal per clock near the target sample, and in response to the detected value. <IMAGE>

IPC 1-7

**H04N 9/78**

IPC 8 full level

**H04N 9/78** (2006.01)

CPC (source: EP KR US)

**H04N 9/78** (2013.01 - EP KR US)

Cited by

CN104038750A

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 1355501 A1 20031022; EP 1355501 A4 20070606; EP 1355501 B1 20090819;** DE 60233383 D1 20091001; JP 3825751 B2 20060927; JP WO2002060188 A1 20040527; KR 100540729 B1 20060112; KR 20030076626 A 20030926; US 2004119892 A1 20040624; US 7110045 B2 20060919; WO 02060188 A1 20020801

DOCDB simple family (application)

**EP 02716358 A 20020124;** DE 60233383 T 20020124; JP 0200503 W 20020124; JP 2002560395 A 20020124; KR 20037009761 A 20030723; US 47001803 A 20030723